Hybrid LCD TV BOX

CATV/DVB-T

TV6818E

User's Manual

4.3 Troubleshooting of PIP

Symptoms	Solution
Normal sound without picture(in PIP status)	Check whether the output format of display card is standard (Refer to Part4).
PIP invalid	Check whether there is PC signal input.

4.4 PC display mode (PIP standard status)

Resolution	Refresh rate	
1440 × 900	60Hz	
800 × 600	60Hz	75Hz
1024 × 768	60Hz	75Hz
1280 × 1024	60Hz	75Hz

Note: PIP function is not supported when the resolution is 1680 × 1050/ 1920 × 1200.

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4. Troubleshooting

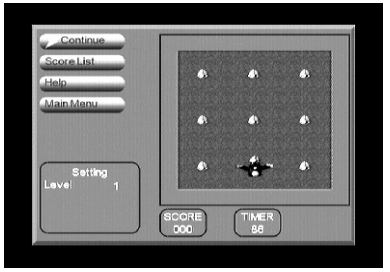
4.1 Troubleshooting of digital TV

Symptoms	Solution
No image, no sound	Check the connection of DVB-T antenna
Imperfect image and sound	Check the connection of DVB-T antenna, and adju -st the place of DVB-T antenna
Two sound track	The program is bilingual. Press [RADIO] on the remote control to switch track.
Cannot play USB	The playing file formats are not the unit supported formats.

4.2 Troubleshooting of analog TV

Symptoms	Solution
No picture, no sound	No power supply or the receiver is in the standby mode.
Abnormal sound	Wrong sound system. Set the right sound system.
Picture without color	Adjust the item of chroma. It is black and white TV program. Wrong video system setting. Enter VIDEO SYSTEM of Picture to adjust.
Normal sound without image	The plug of the monitor is not inserted well. Strong interruption of TV signal and the monitor is in protective status.
Without image or abnormal picture	Make sure the VGA cable is well connected and the PC works normally.
Low sensitivity of remote control	Make sure right insertion of battery. Low battery or interruption of remote control signal.
Picture with snow spots, oblique or vertical line	Weak signal. Using amplifier to strengthen it. Defective connection of antenna, or the wire in antenna cable is broken off. Failure of TV station.

- There are five functional selection menus on the left of the interface for user:
  New Game: Restart Game
  Speed: Set Game Speed (press LEFT/RIGHT key to set)
  Score List: Score list
  Help: Help information
  Exit: Exit the game;
  After game-setting, move the cursor to "New Game" button, press [OK] to enter the game , game interface as following(picture3.54):



(Picture 3.54)

- The direction keys compose of 1,2,3,4,5,6,7,8,9 vs top left, top mid, top right, mid left, mid right, down left, down mid, down right.
- Press [OK] to pause the game.Left button "Continue" to continue the game.Press [▣] to return to the previous menu and reset games.

2) Analog TV game

A. How to start: Enter the image menu to select game
B. How to play: ☒ Box ☒ Destination ▤ Wall
Use UP/DOWN/RIGHT/LEFT to move the box to the destination.
C. Function illustration:
[CH+] → Up
[CH-] → Down
[VOL+] → Right
[VOL-] → Left
[▣] → Exit

1. Introduction

1.1 Brief introduction

TV6818E is a kind of TV box that allows you to access free to air digital TV and analog TV with DVB-T and CATV functions and can be connected to DVD,PS2,PS3,WII devices with input signal such as VIDEO,S-VIDEO,YPbPr. It adopts advanced progressive scanning and 3D noise reduction technology, transferring a sharp and stable picture with refresh rate up to 60Hz or 75Hz. Compatible with CRT and LCD monitor, TV6818 supports high resolution up to 1920×1200. Built-in speaker and fashionable outlook, connecting to your monitor, presents a full function LCD TV.

1.2 Features

- Advanced progressive scanning and 3D noise reduction technology, deliver sharp and stable pictures.
- Compatible with CRT and LCD monitor and wide-screen LCD monitor.
- Adjustable resolution: 800×600 / 1024×768 / 1280×1024 / 1440×900 / 1680×1050 / 1920×1200.
- PIP function, work synchronizes with entertainment.
- Memorize up to 250 channels (analog TV).
- Support EPG/Subtitle/Teletext/Parental Lock/Channel Edit function and Stereo /Radio programs (digital TV).
- USB media playing function is available(digital TV).
- Support VIDEO/S-VIDEO/ YPbPr input via MMI cable (YPbPr input support: 408i/480p/576i/576p/720p/1080i signal).
- STB sharing when connected to TV via MMI cable.

1.3 Specifications

Power input: DC 5 ⩾ 1500mA
Resolution (output): 800×600/ 1024×768/ 1280×1024/ 1440×900/
1680×1050/ 1920×1200 (optional)
Output frequency: Horizontal: 48-74 KHz
Vertical: 60Hz /75Hz (optional)
Video output: 1Vp-p

DVB-T parameters:
Frequency input: VHF 177.5MHz-226.5MHz UHF 474MHz-858MHz
Input impedance: 75Ω
Input symbol rate: 4.98-31.67Mbit/s
Module pattern: QPSK 16QAM 64QAM
FFT mode: 2K/8K
Bandwidth: 6/7/8MHz

CATV parameters:
Input impedance: 75Ω
Bandwidth: 6/7/8MHz
Image system: PAL/NTSC/SECAM (optional)
Sound system: D/K.I.B/G.M.L (optional)

1.4 Accessories

Common accessories:
TV6818E user's manual ----------1pcs
Remote control ----------1pcs
Power adaptor ----------1pcs
Stereo audio cable ----------1pcs
DVB-T MINI antenna cable ----------1pcs
VGA cable ----------1pcs
MINI USB cable ----------1pcs

Optional accessories:
MMI video input cable (DIN 200N)
MMI S-Video input cable (DIN 200S)
MMI YPbPr input cable (DIN 201V)
MMI video output cable (DIN 200T)
VGA to YUV output cable

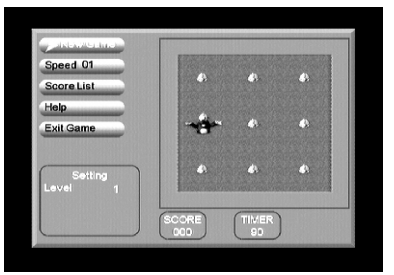
After game-setting, move cursor to "start game" button, press [OK] to enter the game, game interface as following (picture3.52):

Picture 3.52 Start game

- Press [VOL+ / VOL-] to move the square to left and right;
- Press [CH+] to change the shape of bricks;
- Press [CH-] to accelerate the square down;
- Press [OK] to pause game, press "CONTINUE" to continue game,"Main Menu" returns to the previous menu, reset Game or exit.

3) Hit Rat

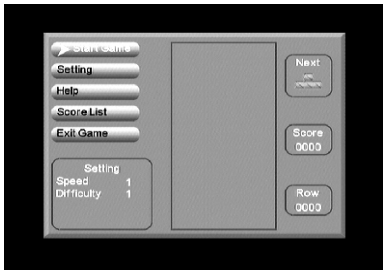
Play: Press[▤] under normal playing mode and select GAME->Native Games->Hit Rat, game interface as following (picture3.53):



Picture 3.53 Hit Rat

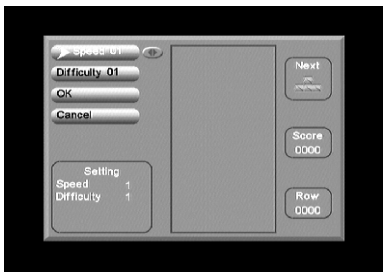
② Tetris

Play: Press[▤] under normal playing mode and select GAME-> Native Games->Tetris, game interface as following:



(Picture 3.50 Tetris)

➤ There are five functional selection menus on the left of the interface for user:
Start : Start Game
Setting: Set game speed and level, as shown in picture 3.51:

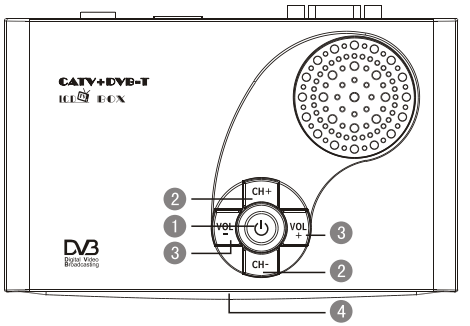


(Picture 3.51 Setting)

Help: Provide game help information
Score List: Score list
Exit: Exit the game

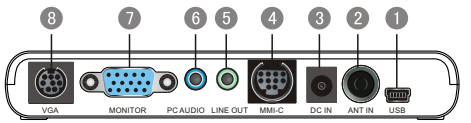
1.5 Panel instruction

1) Front:



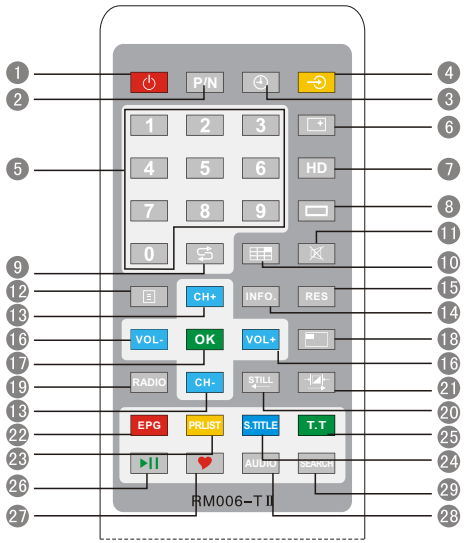
1. [⏻]: Standby status (press for long)
   Enter or exit (briefly press)
2. CH+/CH- : Increase or decrease channels/Menu selected (up and down).
3. VOL+/VOL- : Increase or decrease volume/Menu selected (left and right).
4. LED indicator : Standby(flicker slowly)/Analog TV status(light on) / Dig -ital TV status(flicker quickly).

2) Rear:



1. USB : Connect to USB flash driver via MINI USB cable.
2. ANT IN : Antenna input slot.
3. DC IN : Power input port(Specification: 5V ⩾1500mA).
4. MMI-C : MMI expansion terminal, VIDEO, S-VIDEO, YPbPr signal input and AV signal output via MMI cable.
5. LINE OUT : Audio output port, connected to power amplifier
6. PC AUDIO : Audio input port (connect to PC audio output via stereo a -udio cable,the other end is connected to this terminal.)
7. MONITOR : Monitor connection terminal.
8. VGA : PC signal input, connect VGA cable(15 pin) to PC VGA output slot, the other end is connected to this terminal.

1.6 Remote control



1. POWER: Power on/ standby (PC status).
2. P/N: PAL/NTSC switch (DTV status).
3. TIMING-OFF: To set timing-off time (15/30/60/90/120/180 minutes).
4. SOURCE: Switch between DTV, ATV, VIDEO, S-VIDEO and YUV.
5. NUMERIC KEY: Directly input numbers to switch channels.
6. OSD: Display the current signal information (ATV status).
7. HD: VGA/YUV output switch (only for customized unit).
8. ASPECT RATIO: 4:3/16:9/16:10 switch (ATV status)
   4:3/16:9 switch (DTV status).
9. RETURN: Skip to the latest watching channel.
10. TV WALL: Multi-channel browsing (ATV status).
11. MUTE: Switch between mute and sound.

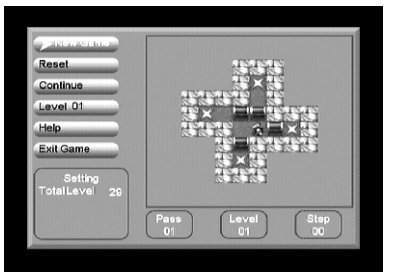
3.4 Game operation

1) Digital TV game

If you want to have a rest or to relax after hard working, you can play the games attached in the system.

① Box Man

Play:Press[ ] under normal playing mode and select GAME->Native Games->Box Man, game interface as following:



Picture 3.49 Box Man

- There are six functional selection menus on the left of the interface for user:
  New Game: Restart game
  Reset: Reset map
  Continue: Continue game
  Level: Display game level
  Help: Offers help information
  Exit: Exit game
- In New Game option, press[OK] to enter Game. If the function menu on the left turning into grey, it is not valid.
- Press[CH+ / CH-] and[VOL+ / VOL-] to up, down, left and right to move the cartoon man here and there.
- Press[OK] to pause game, you can reset game on the function menu on the left of the interface while the menu turns black.

2) Analog program search

- Connect antenna of cable / air TV to ANT IN port.
- Enter TUNING menu to select AUTO to auto search channels.
- If you want to ignore the channel of strong interruption, you can select CH. Skip to skip it.
- If you want to put the channels in order, select CH. Swap (for example: you want put CH-8 in the place of CH-1, select CH-8 → enter channel setting menu → select CH. skip→change 8 into 1→ press MENU).

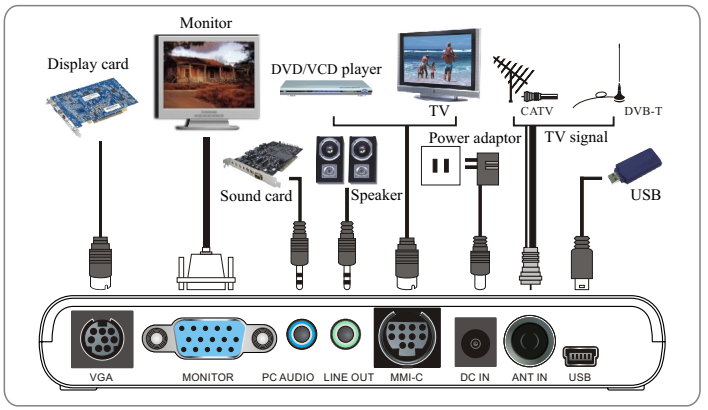
3.3 PIP function (PC status)

- In TV or PC status, press PIP on the remote control, for a seconds a small picture menu will appear on the top left (it also switch the sound). You can press PIP to enlarge the picture menu, press again to resume the normal size. Exit PIP function by fourth pressing.
- Adjust the position of PIP via [STILL] and [⊹] on the remote control (in PIP status, support DTV/ATV/VIDEO/S-VIDEO input, not support YPbPr input).

⑫ MENU: Enter or exit the menu.
⑬ CH+/CH-: Channel (increase or decrease)/ menu (up or down).
⑭ INFO: Display the current channel information and the current menu button information (DTV status).
⑮ RES: Switch VGA output resolution and refresh rate.
⑯ VOL+/VOL-: Volume (increase /decrease) or menu (left /right).
⑰ OK: Confirm (DTV status).
⑱ PIP: Picture in picture function.
⑲ RADIO: TV/RADIO switch in DTV status. (Notice: only support the program with radio reception).
⑳ STILL: Picture freeze/OSD move left (PIP status).
㉑ PIC.MODE: Bright/Standard/Mild/Preset switch(ATV status) or OSD move right (PIP status).
㉒ EPG: Enter PRLIST/ favourite program selection (DTV status).
㉓ PRLIST: Enter the list or skip (DTV status).
㉔ SUBTITLE: Subtitle (DTV status).
㉕ TEXT: a.Display the current channel information
b.DEL key.
㉖ PLAY/PAUSE: Play/pause USB Media(DTV status).
㉗ FAV: Display the user-setting favorite list.
㉘ AUDIO: Sound switch (DTV status).
㉙ SEARCH: Area searching (DTV status).

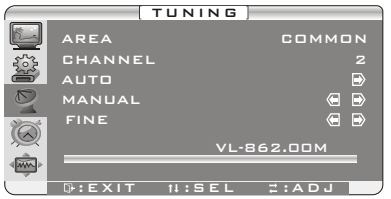
Note: Before using the remote control, please remove the plastic film on the remote control battery to avoid poor contact of the battery.

2. Hardware connection illustration



Hardware connection illustration

Menu Six: Tuning

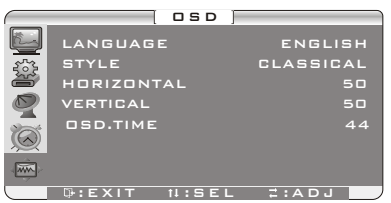


- AREA: Set searching mode.
- CHANNEL: To display the current channel number.
- AUTO: Press [VOL+] to auto search.
- MANUAL:Press[VOL+ / VOL-] to manual search.
- FINE:Press [VOL+ / VOL-]to have freq -uency fine tuning.

Menu Seven: Timer

- CLOCK: To set current time (invalid when powered off).
- OFF.TIME: To set power off time (in ON status).
- ON.TIME: To set start up time (in ON status).
- AVAILABLE: Once or everyday mode.
- ON.STATE:Set the start-up status when timing on.(optional status:VIDEO/S-VIDEO/TV).

Menu Eight: OSD



- LANGUAGE: Set OSD language.
- STYLE: 3 optional style (classic/ modern/ romantic).
- HORIZONTAL: Adjust the position of menu in right or left direction.
- VERTICAL: Adjust the position of menu in up or down direction.
- OSD.TIME: Adjust displaying time of OSD.

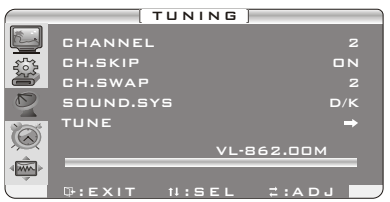
Menu Three: Display set

- Adjust OUT.FT to change image resolution and refresh rate.
- PIC.RATIO to adjust image aspect ratio.

Menu Four: Accessory

- CALENDAR is to display date. [CH+ / CH-] and [VOL+ / VOL-] to adj -ust year and month.
- Simple calculating function.
- GAME: Refer to game operation. (CATV part)
- INFO: Display version informati -on(unit model/software and har -dware version).

Menu Five: Tuning



- CHANNEL: To display the current channel number.
- CH.SKIP: To skip the channel of poor signal or no signal.
- CH.SWAP: Put the programs in sequence.
- SOUND.SYS: Depending on the local sound system (wrong sound system, abnormal sound).
- TUNE: To search program (refer to Menu Six).

3. Operation instruction

3.1 Digital TV operation

1) Init Install

The “init install” will appear as below when it is the first time topower on or no program is memorized (picture3.1).

Picture 3.1 Init Install

- Init install includes: OSD language and area selection.
  Language: To set the language of your country.
  Area: To search programs (all the local programs) according to the selected country(Area).
- The supported area: Germany/ England/ Italy/ France/Spain/Holland/ Taiwan/China/Norway/Swead/Finland
- After setting, press [OK] to search channels as the picture3.2 below:

Picture 3.2 Channel Search

- The system will automatically to search all channels of the current selected country and area.
- Press [▣] to stop and exit program searching when auto-searching.
- When program is searched, the system will auto exit program searching, then memorize it and return to full-screen playing.

★ Note: DVB-T antenna cable should be connected well.

2) Basic function

① Start up and power on/off

When power on, it will enter DVB-T status. If no TV program was selected, it will enter initial setting as the picture3.1 shows:
If have program, will play the previous program.

- Power on: press[⏻] on the remote control or briefly press MENU on the panel to active system.
- Power off: press [⏻] on the remote control or continuously press MENU on the panel.

② Volume control

- In full-screen playing status, press [VOL+ / VOL-] to adjust volume (the volume bar will display).
- In full-screen playing status, press [🔇] to enter mute status. Press again to cancel mute.

③ TV/RADIO switch

In full-screen playing status, press [RADIO] to switch between TV and radio.

★ Note: when there is no radio programs, this key is invalid.

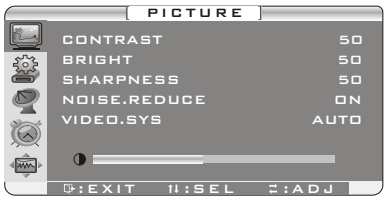
④ Change channel

- In full-screen playing status, press [CH+ / CH-] to switch to the previous (or next) of the current TV programs (or radio programs).
- In full-screen playing status, press [OK] to enter the selection list. To sort the program via[VOL+ / VOL-].Press [CH+ / CH-] to move up or down to select programs. Follow the picture as below:

3.2 Analog TV operation

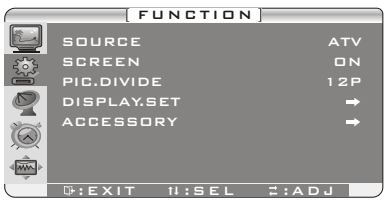
1) Menu display and illustration

Menu One: Picture



- CONTRAST/BRIGHT/SHARPNESS adjust range: 0-100 (notice: only in NTSC system, hue item will appear).
- NOISE.REDUCE: ON/OFF when noise reduction is on, it can make image clearer.
- VIDEO SYS: Optional items(AUTO/PAL/N3.58/N4.43).

Menu Two: Function

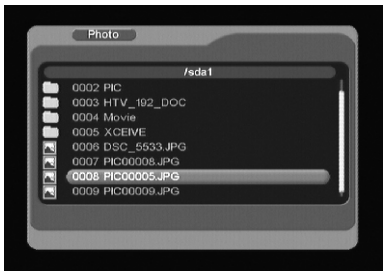


- SOURCE: DTV / ATV / VIDEO / S-VIDEO / YUV.
- Adjust SCREEN in On/Off status to open or close the blue background in no signal state.
- PIC.DIVIDE to set the number of multi-channel browse (9/12 available).
- DISPLAY.SET item: As menu III show.
- ACCESSORY item includes four items: as Menu Four show.

㉖ Multimedia photo play

In Main Menu (picture3.43), press [CH+ / CH-] to select PHOTO. Press [OK] to confirm. The USB directory is shown as below:

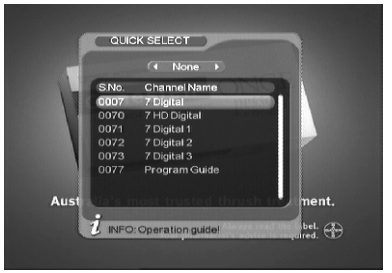
Press [OK] to enter the sub-directory, only the picture files and file fo -lder will appear in the directory. As picture3.48 showing:



Picture 3.48

- Press [CH+ / CH-] to select photo file name.
- Press [OK] to play photo file.
- Press [CH-] to play the previous; [CH+] to play the next.
- Press [E] to exit photo playing mode and return to file list.
- Photo slide show playing automatically and sequentially without any key pressed.

(★ Note: Only play JPG format.)



Picture 3.3 QUICK SELECT

- Press [OK] to confirm the selected program, [E] to exit the menu.
- Directly input the channel number via the numeric key.
- If the favorite program has been set, press [♥] to switch to that (or radio program) as the below picture:

Picture 3.4 Favourite LIST

Press [CH+ / CH-] to move up and down to select your favorite program.
Press [E] to confirm the program you selected. Press [OK] to exit the menu.

⑤ Program information display

In full-screen playing status, press[INFO.] to display the current playing program information. As the following picture:

Picture 3.5 Program information

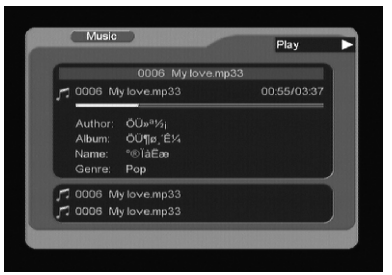
⑥ Program language and track switch

In full-screen playing status, press[AUDIO] to switch to the current playing program language list and left/right track list. Show as the following picture:

Picture 3.6 Program language and track list

- Press [VOL+ / VOL-] to select track (left / right / stereo), press [CH+ / CH-] to move up or down to select language.
- After setting, press [OK] to return to playing status or press[▣] to exit the menu and memorize it.

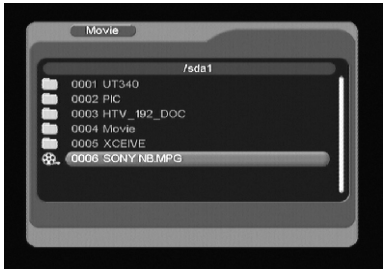
- Press [CH+ / CH-] to select music file name.
- Press [OK] to play music file as the following picture3.47:



Picture 3.47 music file playing

- Press [▶▶] to fast forward play music (×2/×4/×8/×20/×1).
- Press [STILL] to fast backward play music (×2/×4/×8/×20/×1).
- Press [CH-] to play the previous; [CH+] to play the next.
- Press [AUDIO] to switch right/left track and stereo.
- Press [▶II] to pause/play.
- If the music is stopped during playing, it will resume playing.
- Press [▣] to exit music playing mode and return to file list.

Press [OK] to enter the sub-directory(movie file directory)as Picture3.45:

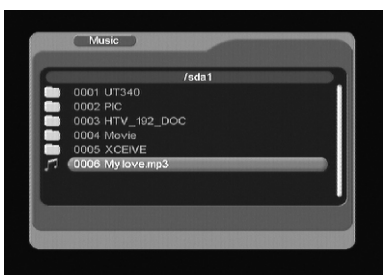


Picture 3.45

- Press [CH+ / CH-] to select movie file name;
- Press [OK] to play movie program;
- Press [▶▶] to fast forward play movie (×2/×4/×8/×20/×1);
- Press [STILL] to fast backward play movie (×2/×4/×8/×20/×1);
- Press [CH-] to play the previous;[CH+] to play the next;
- Press [AUDIO] to switch right/left track and stereo;
- Press [▶II] to pause/play;
- Press [☰] to exit movie playing mode and return to file list.

㉕ Multimedia music play

In Main Menu (picture3.43) , press[CH+ / CH-] to select MUSIC. Press [OK] to confirm. Enter the USB directory. As Picture3.46 below: Press [OK] to enter the sub-directory. Music files will be shown in the directory. As picture3.46 showing:



(图3.46)

⑦ EPG

If you want to know the TV program information for now or near future, press [EPG] to enter EPG to get it. Show as the following picture3.7:

Picture 3.7 EPG menu

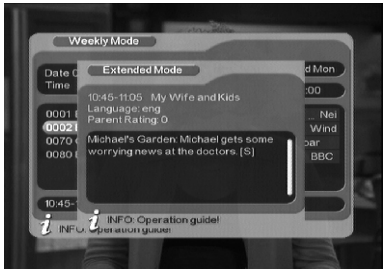
- Press [EPG] to enter default mode (DAILY MODE), the menu is divided into 7 parts as picture3.8 showing:

❶ Title displaying.
❷ Time and data displaying.
❸ Detail information about date.
❹ Program list displaying ([CH+ / CH-]).
❺ Display the current time and program information.
❻ Detail displaying about the information of Part5.
❼ Display warning information by pressing[INFO] ,corresponding keys: [EPG] 、[PRLIST] 、[S.TITLE] 、[T.T] .

- Press [VOL+ / VOL-] to switch part4 and part5.
- Press [T.T] to enter WEEKLY MODE to display the current program list in a week to be played in different period. As picture3.8:

Picture 3.8 Weekly Mode

- Press[CH+ / CH-] to move up or down to select items in part5 (switch between different programs).
- Press [VOL+ / VOL-] to select items in part6 (program information in different time is available).
  Press [PRLIST] to display the detailed information of current program as shown in picture3.9 (when the cursor is in the part5 of picture3.7 and part6 of picture3.9).

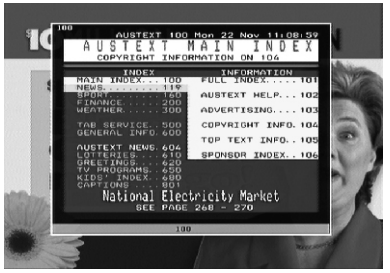


Picture 3.9 Extended Mode

- In EPG status, press[⊟] to exit EPG

⑧ Teletext

If you want to watch teletext, you can press[T.T] on the remote control and then press[OK] to enter the program guide menu. Picture3.10 as below:



Picture 3.10 Teletext

- Input three numbers to skip to the corresponding page:
- Press [CH+] to turn to the previous page and press[CH-] to the next page.
- Press [VOL+] to reverse 100 pages and [VOL-] to forward skip 100 pages.
- Press [⊟] to exit teletext.

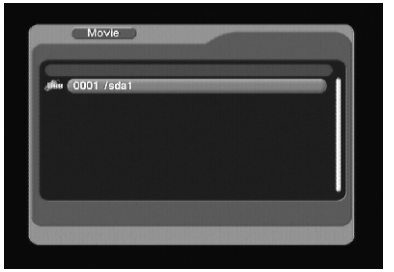
㉓ Multimedia(Picture 3.43)

Picture 3.43 Multimedia

- Powerful USB interface function, you can connect USB device via MINI USB cable (support common media playing in USB).
- This unit supports MP3/JPEG/MPEG-4(AVI) formats (only support the format shown in the list and or the fixed format of the unit).
- Copy the media file to USB device.
- Insert USB device into the unit (USB device only support USB Flash Driver).
- Enter from Main Menu.

㉔ Multimedia movie play

In Main Menu (picture3.43), press[CH+ / CH-] to select MOVIE. Press [OK] to confirm. Enter the USB directory.As Picture3.44 below:



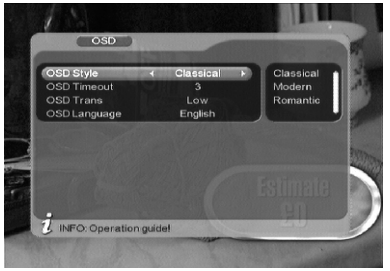
Picture 3.44

㉑ Time(Picture 3.41)

Picture 3.41 Time

- Clock: Set current time.
- Off. Time: Set auto-off time (only after the current time is valid).
- On. Time: Set auto-on time (only after the current time and unit in power -on status is valid).
- Available: Set auto-on/off valid times.
- On.State: Set auto-on status.

㉒ OSD menu (Picture3.42)

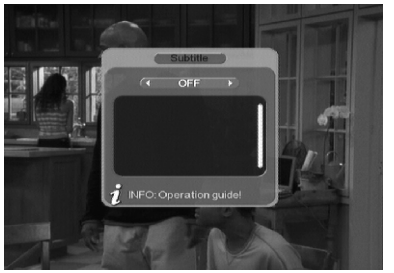


Picture 3.42 OSD

- OSD Style: Optional styles(classic/ pop/ romantic).
- OSD Time out: Select the OSD displaying time depending on the user's need.
- OSD Trans: OSD transparency selection(Off/Low/Normal/High).
- OSD language: OSD language selection (multi-language selecting).

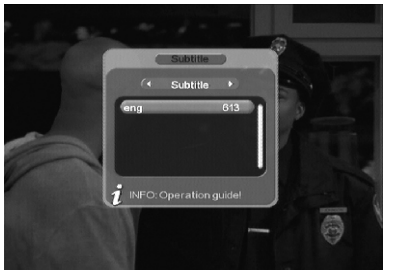
⑨ Subtitle

The default is subtitle off. You can press [S.TITLE] on the remote control to enter the current program menu to select subtitle. Picture as below:



Picture 3.11 Subtitle

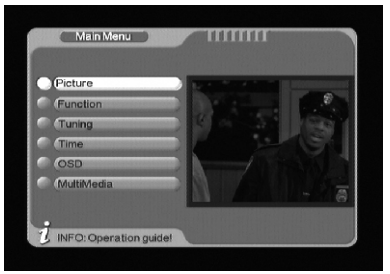
Open or close SUBTITLE via [VOL+ / VOL-], press [CH+ / CH-] to choose languages. Picture as below:



Picture 3.12

3) Menu display and instructions

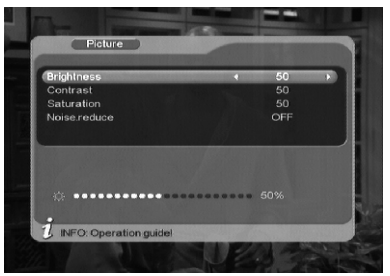
① The Main Menu interface is as below:



Picture 3.13 Main Menu

The Main Menu items includes: items as Picture, Function, Tune, Time, OSD, Multimedia.

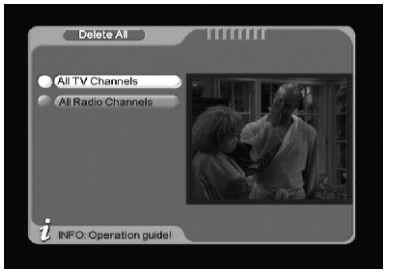
② Picture menu as below (picture3.14):



Picture 3.14 Picture

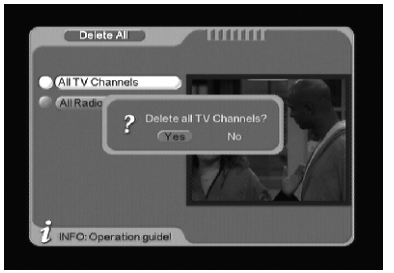
- Brightness: VGA output brightness adjust: 0-100.
- Contrast: VGA output contrast adjust: 0-100.
- Saturation: VGA output saturation adjust: 0-100(valid for NTSC).
- Hue: VGA output hue adjust: 0-100 (only NTSC is valid).
- Noise reduce: Turn on/off noises reduce. When it is on,the video noi -se interruption can be reduced.

⑳ Delete All (Picture 3.39)



Picture 3.39 Delete All

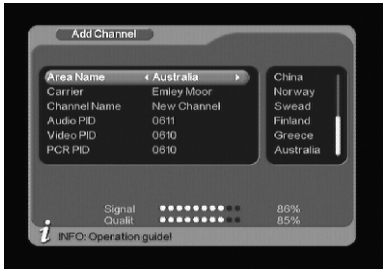
- If you do not like one or some channels, you can delete it/them in Channel Organizer menu but if you do not like all TV or Radio, you can enter Delete All menu to choose to delete all TV, RADIO.
- Under Channel Manager menu, press [CH+ / CH-] to choose Delete All option, press [OK] , then the system will hint with a dialogue box of inputting password. The system will detect the inputting default password or user-customizing password. If correct, enter Delete All menu as shown in Picture3.39.
- To delete all TV channels, press [CH+ / CH-] to move the cursor to All TV Channels option, press [OK] , then the system will hint with "Delete all TV Channels?" dialogue box as shown in Picture3.40:



Picture 3.40 Warning dialogue box

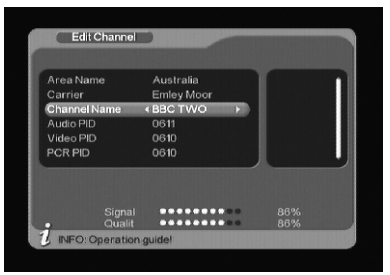
- Press [VOL+ / VOL-] to choose "YES" and press [OK] to confirm.
- To delete all RADIO channel, press [CH+ / CH-] to move the cursor to All Radio Channels option, press [OK] , then the system will hint with"Delete all Radio Channels? " dialogue box , press [VOL+ / VOL-] to choose "YES", press [OK] to confirm.

Press the red [EPG] key to enter Add Channel menu. As the following picture3.37:



Picture 3.37 Add Channel

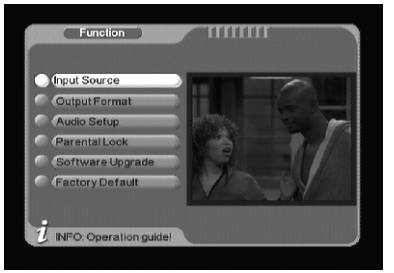
- In Add Channel menu, six parameters include:
  Area name: Press[VOL+] to enter the area name list on the right, and then press[CH+ / CH-] to select, [OK] to confirm.
  Carrier: Press[VOL+ / VOL-] to select.
  Channel name: Press[VOL+ / VOL-] to enter the channel name page to revise as picture3.32 showing:
  Audio PID/Video PID/PCR PID: Revise the parameter via 0-9 numeric keys.
- Press[OK] to confirm adding.System will hint "successful upgrading", and then return to Edit Channel menu.
- Press [E] return to Edit Channel menu.
- The yellow[PRLIST] on the remote control to revise the channel menu. Picture3.38 as below:



Picture 3.38 Edit Channel

The operation of this menu is the same as that of Add Channel.

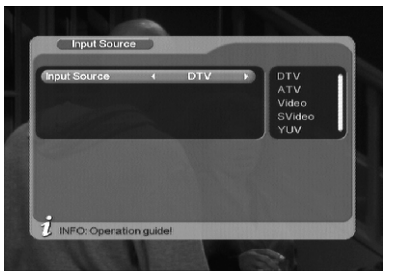
③ Function menu picture as below:



Picture 3.15 Function

- Input source: DTV/ATV/VIDEO/S-VIDEO/YUV (picture3.16)
- Output format: VGA output format selection (picture3.17)
- Audio setup: Sound setting (picture3.18)
- Parental lock: Channel locking (picture3.19)
- Software upgrade: USB software upgrading (picture3.20)
- Factory default: Restore to factory default parameter (picture3.21)

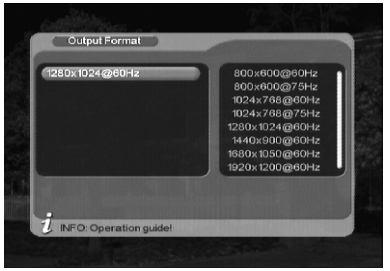
④ Input source menu picture as below:



Picture 3.16 Input Source

Press [VOL+ / VOL-] on the remote control to select, press[CH+ / CH-] to select input source and then press [OK] to confirm.

⑤ Output Format menu picture as below:



Picture 3.17 Output Format

Press [VOL+ / VOL-] on the remote control to select, then press [CH+ / CH-] to select a VGA output format and [OK] to confirm.

⑥ Audio Setup menu picture as below:

Picture 3.18 Audio Setup

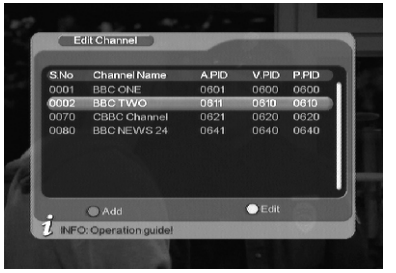
- EQ setup:Sound effect setting. Press [VOL+ / VOL-] on the remote control to select, then press [CH+ / CH-] to select an item and [OK] to confirm.
- Surround: Sound field setting. Press [VOL+ / VOL-] on the remote control to select, then press [CH+ / CH-] to select an item and [OK] to confirm.

⑱ Channel Grouping (Picture3.35)

Picture 3.35 Channel Grouping

- Group channels according to Movies, Sport, Music, Kids, Fashion etc. It will pop up a dialogue box prompting “Channel not available” when there is no channel in database, and channel Grouping page cannot be visited.
- Press [CH+ / CH-] to choose the channel to be grouped, then press the number keys 1-8 on the remote control to set different channel groups.
- After finishing channel editing, press [E] to exit the menu, if need to edit channel, the system will carry out renewal by group, with the hint of “Update succeeding”.

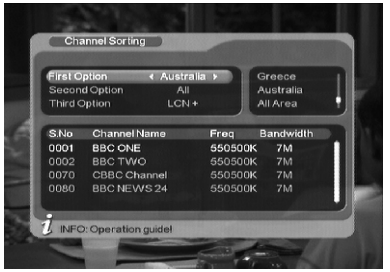
⑲ Edit Channel(Picture3.36)



Picture 3.36 Edit Channel

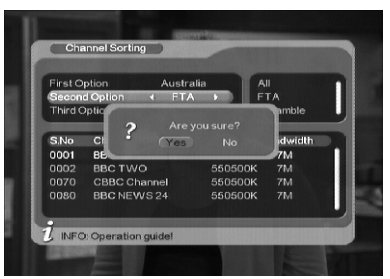
- Channnel adding, deleting, renaming operation.

⑰ Channel Sorting (Picture3.33)



Picture 3.33 Channel Sorting

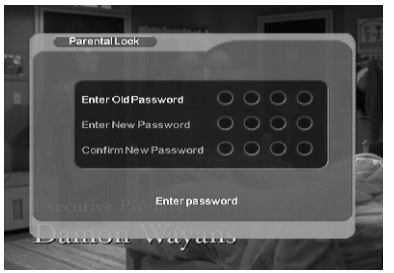
- The channels shall be listed according to certain sequence for user convenience. It will pop up dialogue box showing "Channel not available" when there is no channel in database, and channel Sorting page cannot be visited.
- Prior to sorting, the type of sorting shall be set, including the following items:
  First Option: choose the programs to be sorted via the selection area;
  Second Option: Press FTA (free), Scramble (encrypted), ALL (Free) and Encrypted Channels;
  Third Option: According to alphabetic order A-Z or Z-A;
  According to channel sequence: LCH+, LCH-;
- Press [CH+ / CH-] choose type, Press [VOL+ / VOL-] to set sorting parameters;
- After sorting is set, to realize channel sorting, press [OK], then the system will hint with the dialogue box "Are you sure?" As shown in Picture 3.34:



Picture 3.34

- Choose "YES" to execute. Choose "No" to cancel, and then return to Channel Sorting page;
- Press [E] to exit Channel manager page.

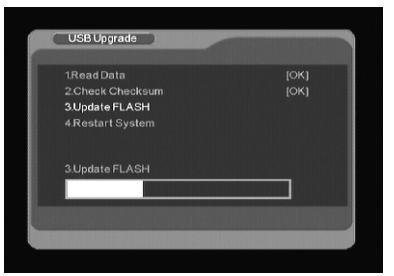
⑦ Parental Lock menu picture as below:



Picture 3.19 Parental Lock

- Input number via the numeric keys on the remote control. The default password: 0000 **(Note:Universal password is 8888).**
- If the input password is correct, the cursor will auto move to the new password option item. Press the numeric keys on the remote control to input new password.
- The cursor will move to the item to input the password again to confirm. If the two inputting passwords are different, the system will remind you to input the password again until the password is confirmed to be the same. After successfully setting, it will be memorized and valid.

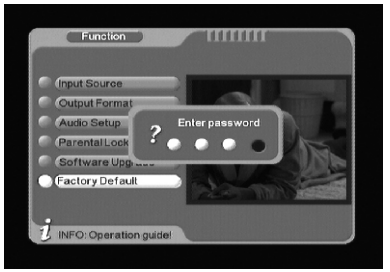
⑧ USB Upgrade menu picture as below:



Picture 3.20 USB Upgrade

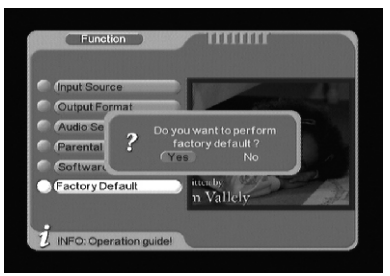
- Download via USB cable: The user can upgrade the software via USB (Note: upgrading software supplied by manufacture).
- Version: Provide system software information including: hardware version, software version, decode style, version date, version time. Press [E] to back to the previous menu.

⑨ Factory Default menu picture as below:



Picture 3.21 Default password menu

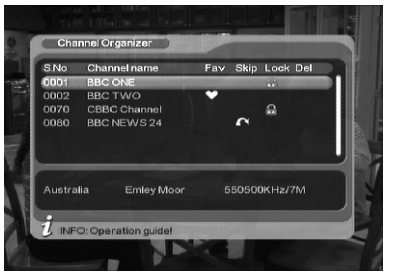
- Input the original password: 0000 or the new user-set password.
- After inputting password, the system will warn you whether to execute factory default (picture 3.22).



Picture 3.22 Factory Default

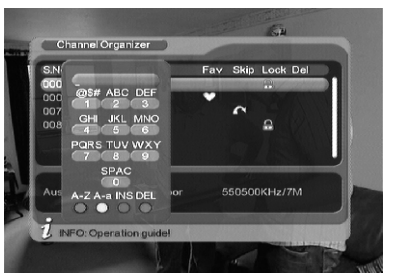
- If want to , press[OK] to enter factory default, the system will perform the default parameter.

⑯ Channel Organizer menu as below:



Picture 3.31 Channel Organizer

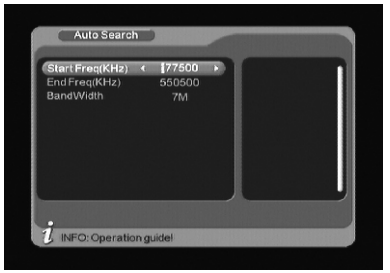
- Channel organizer page includes: Favorite Channels,Channel Lock, Channel Skip, Channel Delete. It will pop up a dialogue box showing "Channel not available" when there are no channels in database , and channel organizer page cannot be visited.
- Channel Organizer menu includes: Favorite Channel , Skip Channel, Lock Channel,Delete Channel,Press [CH+ / CH-]to choose the program to be set, then via the 4-color key on the remote control, press the red [EPG]key to set or cancel Favorite Channel, the yellow [PRLIST]key to set or cancel the Skipped Channel, the blue [S.TITLE] key to set or cancel the Locked Channel , the green [T.T]key to set or cancel the Deleted Channel. Corresponding picture will appear after setting.
- To rename channel, press[CH+ / CH-] to choose the program to be renamed, press [VOL+ / VOL-]to enter the page to revise it, as shown in Picture 3.32:



Picture 3.32 CH rename menu

- The red [EPG] is to switch capitals and numbers. The yellow[PRLIST] is to sw -itch capitals and lower case.The blue [S.TITLE] is space key.The green [T.T] is to delete.
- After program editing,press [OK] to save it and exit the Channel Organizer page. System will hint "finished renewing".

⑭ Auto Search menu as picture 3.29:



Picture 3.29 Auto Search

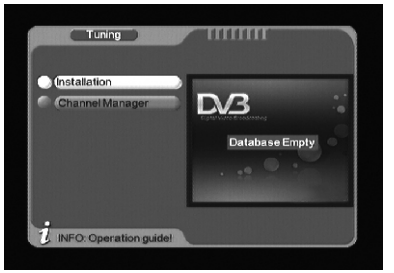
- User customizing including:
  Starting Freq (KHz): Set starting scanning frequency. You can directly input numbers to revise it via numeric keys;
  Ending Freq (KHz): Set ending scanning frequency. You can directly input numbers to revise it via numeric keys;
  Bandwidth: Set the current scanning transmission bandwidth. You can press [VOL+ / VOL-] to select bandwidth. Optional bandwidth (6MHz/7MHz/ 8MHz);
- Press [OK] after configuration of parameter to start manual scan (Picture3.26)
- If any program is detected and the scanning process is finished, system will exit the scanning page and save the program, at the same time return to the Installation Menu and play them on the right down corner automatically. As shown in the Picture3.27.

⑮ Channel Manager menu as below (Picture3.30):

Picture 3.30 Channel Manager

System offers an efficient function of channel management such as channel deleting, marking your favorite, locking, sorting and sequencing.

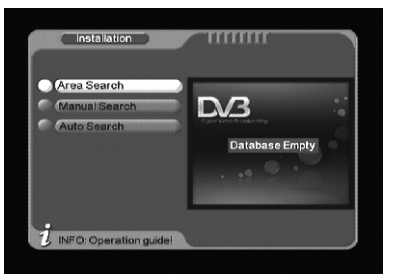
⑩ Tuning menu picture as below:



Picture 3.23 Tuning

Tuning menu include: Installation and Channel Manager, press [CH+ / CH-] to select an item and [OK] to confirm.

⑪ Installation menu picture as below:



Picture 3.24 Installation

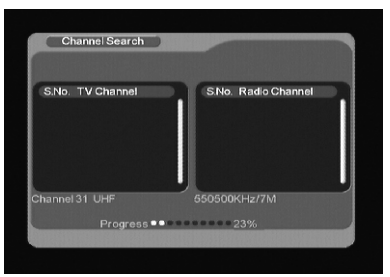
- In TUNE menu, press [CH+ / CH-] to select INSTALL and then press [OK]. The information dialogue is to input initial password : 0 0 0 0 . After the system detects the password, it can be admitted to INSTALL.(Picture3.24)
- Installation items is to search TV and radio programs.
  Area searching: Search programs according to areas.
  Manual searching: Search programs manually.
  Auto- searching: Scan programs automatically.
  (★ Note: Make sure the DVB-T antenna is well connected.)

⑫ Area Select menu as the following picture3.25:

Picture 3.25 Area Select

Area searching is an AI program searching way. The searching range is all the programs in the selected area.

- Press [VOL+ / VOL-] to enter Area selection, and then press [CH+ / CH-] to select your area and [OK] to confirm.
- LCN is to select memorizing way (whether to store the channel following the current CH number).
- After setting, press [OK] to search programs as the picture below:

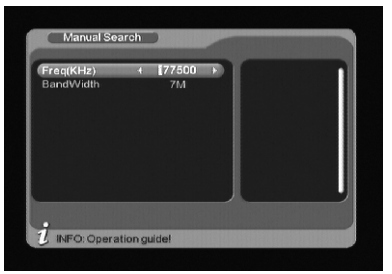


Picture 3.26 Channel Search

- The system will automatically to search all programs of the current selected country and area.
- Press [▣] to stop and exit program searching when auto-searching.
- When searching finished, the system will auto exit program searching menu, then memorize it and return to INSTALL menu. Play the stored program on the right down corner. Picture3.27 as below:

Picture 3.27

⑬ Manual Search menu as the following picture3.28:



Picture 3.28 Manual Search

- Prior to manual scanning, you need to configure relevant parameter including:
  Freq(KHz): Scanning frequency. You can directly input numbers to revise it via numeric keys.
  Bandwidth: Set the current scanning transmission bandwidth.You ca -n press [VOL+ / VOL-] to select bandwidth .Optional bandwidth: 6MHz / 7MHz / 8MHz.
- Press [OK] after configuration of parameters to start manual scan. (picture3.26)
- If any program is detected and the scanning process is finished, system will exit the scanning page and memorize the program, at the same time return to the Installation Menu and play them on the right down corner automatically (Picture 3.27)